

Mon Apr 16 13:20:04 2001

us-08-815-773-2.ra1

GenCore version 4.5  
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OM protein - protein search, using sw model

Run on: April 16, 2001, 09:33:18 ; Search time 37.01 Seconds  
(Without alignments)  
197,247 Million cell updates/sec

Title: US-08-815-773-2  
2104  
Sequence: 1 MAFVCAICGLYFLISTWTF.....LLLRKPTNPKRIPEFCDT 380

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 185757 seqs, 19210857 residues  
Total number of hits satisfying chosen parameters: 185757

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued\_Patents\_AA:\*  
1: /cgn2\_6/ptodata/2/1aa/5A.COMB.pep:\*  
2: /cgn2\_6/ptodata/2/1aa/5B.COMB.pep:\*  
3: /cgn2\_6/ptodata/2/1aa/6B.COMB.pep:\*  
4: /cgn2\_6/ptodata/2/1aa/6B.COMB.pep:\*  
5: /cgn2\_6/ptodata/2/1aa/PCTUS.COMB.pep:\*  
6: /cgn2\_6/ptodata/2/1aa/backfile1.pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2104	100.0	380	1	US-08-609-572-4
2	1194.5	56.8	383	1	US-08-609-572-2
3	311.5	14.8	420	1	US-07-757-390-13
4	311.5	14.8	420	1	US-08-442-282-13
5	311.5	14.8	420	1	US-08-442-282-13
6	311.5	14.8	420	2	US-08-939-727-13
7	310.5	14.8	396	1	US-07-757-390-14
8	310.5	14.8	396	1	US-08-442-282-14
9	310.5	14.8	396	1	US-08-442-282-14
10	310.5	14.8	396	2	US-08-939-727-14
11	295.5	14.0	427	2	US-08-969-125-9
12	293	13.9	313	3	US-08-836-561-106
13	292	13.9	335	1	US-07-947-130-2
14	292	13.9	335	1	US-08-421-822-2
15	292	13.9	335	1	US-08-421-823-2
16	247	11.7	398	1	US-07-757-390-6
17	247	11.7	398	1	US-08-442-282-6
18	247	11.7	398	1	US-08-442-281-6
19	247	11.7	398	2	US-08-939-727-6
20	247	11.7	415	1	US-07-757-390-5
21	247	11.7	415	1	US-08-442-282-5
22	247	11.7	415	1	US-08-442-281-5
23	247	11.7	415	2	US-08-939-727-5
24	229	10.9	315	1	US-07-757-390-8
25	229	10.9	315	1	US-08-442-282-8
26	229	10.9	315	1	US-08-442-281-8
27	229	10.9	315	2	US-08-939-727-8

28	229	10.9	332	1	US-07-757-390-7
29	229	10.9	332	1	US-08-442-282-7
30	229	10.9	332	1	US-08-442-281-7
31	229	10.9	332	2	US-08-939-727-7
32	229	10.9	335	1	US-07-947-130-3
33	229	10.9	335	1	US-08-421-823-3
34	229	10.9	335	1	US-08-421-823-3
35	220	10.5	369	1	US-08-052-205-4
36	219	10.4	369	1	US-08-595-974-4
37	219	10.4	347	1	US-08-052-205-7
38	219	10.4	347	1	US-08-595-974-7
39	212.5	10.1	369	2	US-08-424-224-2
40	212.5	10.1	369	5	PCT-US94-02891-69
41	207	9.8	252	1	US-08-052-205-9
42	207	9.8	252	1	US-08-595-974-9
43	206	9.8	230	1	US-08-052-205-11
44	206	9.8	230	1	US-08-595-974-11
45	180.5	8.6	897	1	US-07-960-389-2

ALIGNMENTS

RESULT 1  
US-08-609-572-4  
Sequence 4, Application US/08609572  
Patent No. 5710023  
GENERAL INFORMATION:  
APPLICANT: Collins, Mary  
APPLICANT: Donaldson, Dendra  
APPLICANT: Filtz, Lori  
APPLICANT: Neben, Tamlyn  
APPLICANT: Whitters, Matthew  
APPLICANT: Wood, Clive  
TITLE OF INVENTION: CYTOKINE RECEPTOR CHAIN  
NUMBER OF SEQUENCES: 9  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Genetics Institute, Inc.  
STREET: 87 Cambridgepark Drive  
CITY: Cambridge  
STATE: MA  
COUNTRY: USA  
ZIP: 02140  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/609,572  
FILING DATE:  
CLASSIFICATION: 530  
ATTORNEY/AGENT INFORMATION:  
NAME: Brown, Scott A.  
REGISTRATION NUMBER: 32,724  
REFERENCE/DOCKET NUMBER: G15268  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 498-8224  
TELEFAX: (617) 876-5851  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 380 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-609-572-4

Query Match 100.0% Score 2104; DB 1; Length 380;  
Best Local Similarity 100.0%; Pred No. 3.8e+208;  
Matches 380; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Best Available Copy

Db 1 MAFVCLAIICLTFLISTTFCGCTSSDTEIKVNPDPDEFIVPGYGLYLQWQPLSLD 60  
Qy 61 HRECEVEYELKRNIGSEFTWKTIIITKRLHYKGFPLNGIEAKHTLLPMOCTNGSEVO 120  
Db 61 HRECEVEYELKRNIGSEFTWKTIIITKRLHYKGFPLNGIEAKHTLLPMOCTNGSEVO 120  
Qy 121 SSMAETTWISPOGIPETKRVQDMDCVYNNMOYLCSWKPFGIVLLDTNLTFLYEWEGDLH 180  
Db 121 SSMAETTWISPOGIPETKRVQDMDCVYNNMOYLCSWKPFGIVLLDTNLTFLYEWEGDLH 180  
Qy 181 ALOCVDYIKADQONIGCFRPPYLEASDYKDFYICVNGSSSENKPIRSSYTFPOLQNTVKKPLP 240  
Db 181 ALOCVDYIKADQONIGCFRPPYLEASDYKDFYICVNGSSSENKPIRSSYTFPOLQNTVKKPLP 240  
Qy 241 PVLFTFRESSCEIKLWKSIPLGPIPARCFDEYIEIREDDTLVATVENEETTLKTNE 300  
Db 241 PVLFTFRESSCEIKLWKSIPLGPIPARCFDEYIEIREDDTLVATVENEETTLKTNE 300  
Qy 301 TROLCFVVRKVNITYCSDGIMSEMSKQCEGEGEDLSKTKLLRFLPFGFILLIVIVTGTG 360  
Db 301 TROLCFVVRKVNITYCSDGIMSEMSKQCEGEGEDLSKTKLLRFLPFGFILLIVIVTGTG 360  
Qy 361 LLRRPNTYPRMIPREFCDT 380  
Db 361 LLRRPNTYPRMIPREFCDT 380

## RESULT 2

US-08-609-572-2  
Sequence 2, Application US/08609572  
Patent No. 5710023

## GENERAL INFORMATION:

APPLICANT: Collins, Mary  
APPLICANT: Donaldson, Debra  
APPLICANT: Pitz, Lori  
APPLICANT: Neiden, Tamlyn  
APPLICANT: Whitlers, Matthew  
APPLICANT: Wood, Clive  
TITLE OF INVENTION: CYTOKINE RECEPTOR CHAIN  
NUMBER OF SEQUENCES: 9  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genetics Institute, Inc.  
STREET: 87 Cambridgepark Drive  
CITY: Cambridge  
STATE: MA  
COUNTRY: USA  
ZIP: 02140

## COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/609,572  
FILING DATE:

## CLASSIFICATION: 530

ATTORNEY/AGENT INFORMATION:  
NAME: Brown, Scott A.  
REGISTRATION NUMBER: 32,724  
REFERENCE/DOCKET NUMBER: G15268  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 498-8224  
TELEFAX: (617) 876/5851  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 383 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-609-572-2

Query Match 56.8% Score 1194.5: DB 1; Length 383;  
Best Local Similarity 58.9%: Pred. No. 1,3e-114;  
Matches 219; Conservative 55; Mismatches 91; Indels 7; Gaps 3;  
Qy 1 MAFVCLAIICLTFLISTTFCGCTSSDTEIKVNPDPDEFIVPGYGLYLQWQPLSLD 60  
Db 1 MAFV--HINCCLCFILLCITGYS----LEIKVNPDPDEFILDPGLGLGZATLQMKPPVYLE 54  
Qy 61 HRECEVEYELKRNIGSEFTWKTIIITKRLHYKGFPLNGIEAKHTLLPMOCTNGSEVO 120  
Db 55 KEGCCTLEYELKRYNWDSDSKTIITRLNLYKDGFLNKGIEAKHTLLPMOCTNGSEVO 114  
Qy 121 SSMAETTWISPOGIPETKRVQDMDCVYNNMOYLCSWKPFGIVLLDTNLTFLYEWEGDLH 180  
Db 115 SWIASISGISDEGSLERKIDQMKCIYNNMOYLCSWKPFGKIVYSDTYNTEFWEGDLH 174  
Qy 181 ALOCVDYIKADQONIGCFRPPYLEASDYKDFYICVNGSSSENKPIRSSYTFPOLQNTVKKPLP 240  
Db 175 ALOCVDYIQHDEKNVGCALNLDSSDYKDFYIYVNGSSSKLEPIRSSYTFPOLQNTVKKPLP 234  
Qy 241 PVLFTFRESSCEIKLWKSIPLGPIPARCFDEYIEIREDDTLVATVENEETTLKTNE 300  
Db 235 PEFLLHSVENSIDIRMKWSTGPGPIPRQTYEYIREDTDSMESATDKMKRRANE 294  
Qy 301 TROLCFVVRKVNITYCSDGIMSEMSKQCEGEGEDLSKTKLLRFLPFGFILLIVIVTGTG 360  
Db 295 SEDLCFVVRKVNITYCSDGIMSEMSKQCEGEGEDLSKTKLLRFLPFGFILLIVIVTGTG 360  
Qy 361 LLRRPNTYPRM 372  
Db 354 LIVEKEPEPEPL 365

## RESULT 3

US-07-757-390-13  
Sequence 13, Application US/07757390  
Patent No. 5453491

## GENERAL INFORMATION:

APPLICANT: Takatsy, Kiyoshi  
APPLICANT: Tomlinaga, Akira  
APPLICANT: Takagi, Satoshi  
APPLICANT: Murata, Yoshiyuki  
TITLE OF INVENTION: Human And Murine Interleukin-5 Receptor  
NUMBER OF SEQUENCES: 18  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pennie & Edmonds  
STREET: 1455 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: U.S.A.  
ZIP: 10036-2711

## COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/757,390  
FILING DATE: 19910910

## CLASSIFICATION: 530

ATTORNEY/AGENT INFORMATION:  
NAME: Mistrock, S. Leslie  
REGISTRATION NUMBER: 18,872  
REFERENCE/DOCKET NUMBER: 7005-030  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212 790-9090  
TELEFAX: 212 8698864/9741  
INFORMATION FOR SEQ ID NO: 13:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 420 amino acids  
TYPE: AMINO ACID  
STRANDEDNESS: unknown

Best Available Copy

QY 301 TROLCEVVRKYNIVYCSDDGIMSESDKOCWEGEDLSKRTLLRFMLPGFILLIYIYPTG 360  
DB 301 TROLCEVVRKYNIVYCSDDGIMSESDKOCWEGEDLSKRTLLRFMLPGFILLIYIYPTG 360  
QY 361 LLLRKPNFYPKMIPPEFCDT 380  
DB 361 LLLRKPNFYPKMIPPEFCDT 380

RESULT 7

US-08-841-751-4  
Sequence 4, Application US/08841751

→ US 6214 559  
April 10, 2001

GENERAL INFORMATION:  
APPLICANT: COLLINS, Mary  
APPLICANT: Donaldson, Debra  
APPLICANT: Filz, Lori  
APPLICANT: Neben, Tamlyn  
APPLICANT: Whilters, Matthew  
APPLICANT: Wood, Clive  
TITLE OF INVENTION: CYTOKINE RECEPTOR CHAIN  
NUMBER OF SEQUENCES: 9  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genetics Institute, Inc.  
STREET: 87 Cambridgepark Drive  
CITY: Cambridge  
STATE: MA  
COUNTRY: USA  
ZIP: 02140

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/841,751  
FILING DATE:

CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/609,572  
FILING DATE:

ATTORNEY/AGENT INFORMATION:  
NAME: Brown, Scott A.  
REGISTRATION NUMBER: 32,724  
REFERENCE/DOCKET NUMBER: G15268

TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 876-8224  
TELEFAX: (617) 876-5851

INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 380 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein

US-08-841-751-4

Query Match 100.0% Score 2104; DB 12; Length 380;  
Best Local Similarity 100.0% Pred. No. 1.5e-198;  
Matches 380; Conservatio 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAFVCLAIGCTVFLSTFTGCTSSDTEIKVNPDPDFEIVDPGYLYLQNOPPLSLD 60  
DB 1 MAFVCLAIGCTVFLSTFTGCTSSDTEIKVNPDPDFEIVDPGYLYLQNOPPLSLD 60  
QY 61 HFKECTVEYELKYNIGSETWKTITKRLHYKDGFDLNGIEAKITFLPWOCTNSEVO 120  
DB 61 HFKECTVEYELKYNIGSETWKTITKRLHYKDGFDLNGIEAKITFLPWOCTNSEVO 120  
QY 121 SSMAETTYWISPOGIPETKVODMDCVYNNQYLLCSMKPGIGVLLDTNRYNLFTYMBGLDH 180  
DB 121 SSMAETTYWISPOGIPETKVODMDCVYNNQYLLCSMKPGIGVLLDTNRYNLFTYMBGLDH 180

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3:20:05 2001

US-08-815-

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181 ALQCVDIKADGONIGCRPFYLEASDYKDFYICVNGSSSENKPIRSSYFTFQLONTIVKPLP 240  
QY 241 PVLFTRESSCEIKLKSIPLGPIPARCFDYEIEIRDDPTLVATVENEYTLKTNE 300  
DB 241 PVLFTRESSCEIKLKSIPLGPIPARCFDYEIEIRDDPTLVATVENEYTLKTNE 300  
QY 301 TROLCFYVRSVNTIYCSDDGIWSEMSDKOCWEGEDLSKKTLLRFWLPFGFILLIVIFVTG 360  
DB 301 TROLCFYVRSVNTIYCSDDGIWSEMSDKOCWEGEDLSKKTLLRFWLPFGFILLIVIFVTG 360  
QY 361 LLLRKPNTYPMIPEFCDF 380  
DB 361 LLLRKPNTYPMIPEFCDF 380